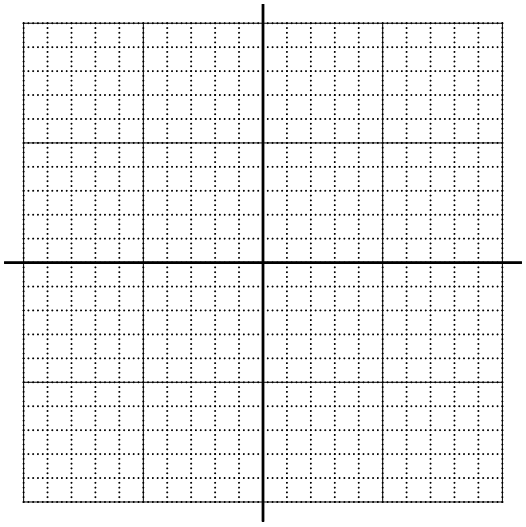
Name: Date:

PCW_09_29: Graph Parent Translations (version 14)

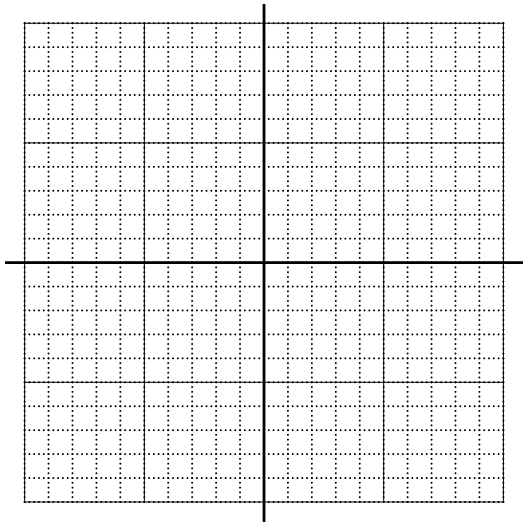
Graph each equation. Let the y axis be vertical and the x axis be horizontal. Also, let both axes be at unit scale, so each goes from -10 to 10.

Clearly mark every solution where x and y are both integers with a small dot along the curve.

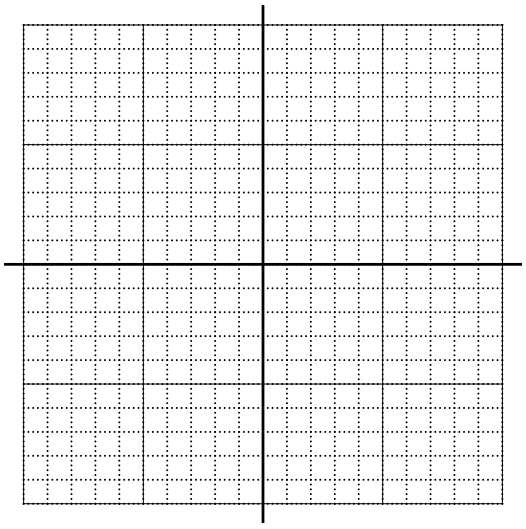
$y = |x - 4| - 2$



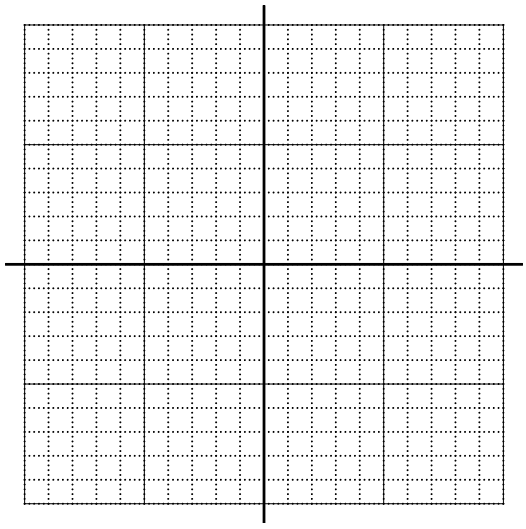
$y = \log_2(x + 1) - 3$



$y = (x + 3)^3 - 1$

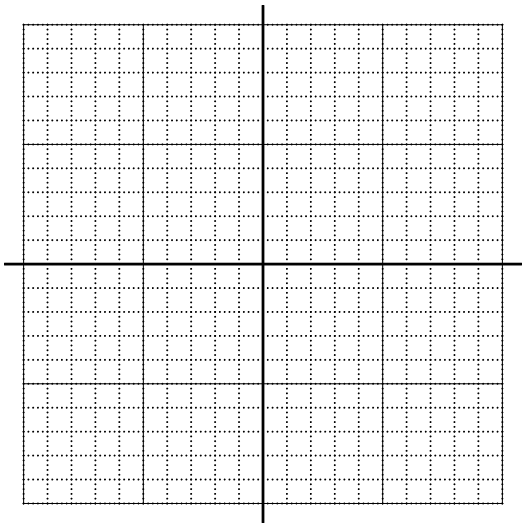


$y = \frac{1}{x + 5} - 1$

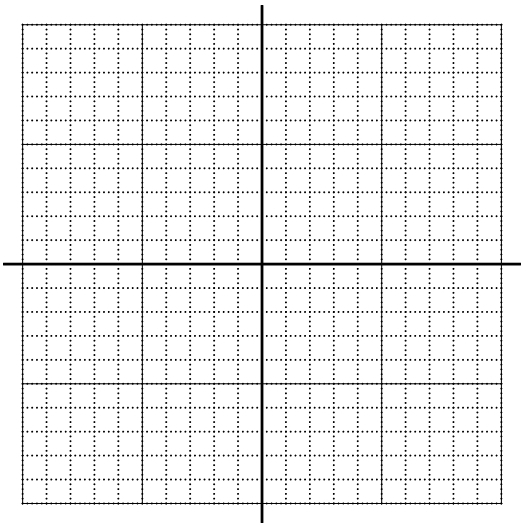


PCW_09_29: Graph Parent Translations (version 14)

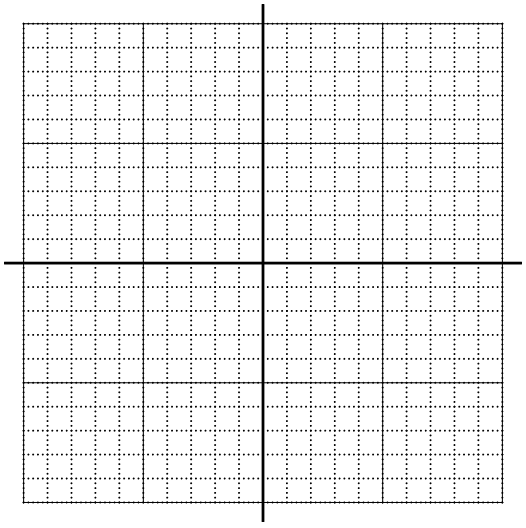
$y = \sqrt[3]{x+4} + 1$



$y = (x+1)^2 - 4$



$y = \sqrt{x+4} + 2$



$y = 2^{x-2} + 3$